



Patent
Attorney Docket No. 005950-836

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Shenggao Liu et al.

Application No.: 10/622,130

Filing Date: July 16, 2003

Title: HETERODIAMONDOIDS

Group Art Unit: 1764

Examiner:

Confirmation No.: 2442

THIRD
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Enclosed is a THIRD Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- Charge _____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of _____ is enclosed for the fee due.
- Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Date: July 9, 2004

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Attorney's Docket No. 005950-836

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Dahl et al.)
Application No.: 10/622,130) Group Art Unit: 1764
Filed: July 16, 2003) Examiner:
For: HETERODIAMONDOIDS) Confirmation No.: 2442
)

THIRD INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

Third Information Disclosure Statement

Application No. 10/622,130

Attorney's Docket No. 005950-836

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To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Substitute for forms 1449A/PTO & 1449B/PTO U.S. TRADEMARK OFFICE JUL 12 2004 JCS		ATTORNEY'S DKT No. 005950-836	APPLICATION NO. 10/622,130
		APPLICANT Liu et al.	
		FILING DATE July 16, 2003	GROUP 1764

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
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	6,548,171	B1	Barbera-Guillem et al.	04-15-2003
	6,423,551	B1	Weiss et al.	07-23-2002
	6,377,340	B1	Anthony et al.	04-23-2002
	6,326,144	B1	Bawendi et al.	12-04-2001
	6,322,901	B1	Bawendi et al.	11-27-2001
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	4,985,226		Satoh et al.	01-15-1991
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	4,950,463		Satoh et al.	08-21-1990
	4,880,613		Satoh et al.	11-14-1989

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	Beveratos, A., et al., "Single Photo Quantum Cryptography", arXiv"quant-ph/0206136 1 (2002).	
	Jones, R., et al., "Theory of Aggregation of Nitrogen in Diamond", <i>Properties, Growth and Applications of Diamond</i> edited by Nazare et al., Ch. A5.1, pp127-129 (2001)	
	Kiflawi, I., et al., "Aggregates of Nitrogen in Diamond", <i>Properties, Growth and Applications of Diamond</i> edited by Nazare et al., Ch. A5.2, pp 130-133 (2001)	
	Kiflawi, I., et al., "The Nitrogen Interstitial in Diamond", <i>Properties, Growth and Applications of Diamond</i> edited by Nazare et al., Ch. A5.3, pp 134-135 (2001)	
	Kuhn, S., et al., "Diamond Colour Centres as a Nanoscopic Light Source for Scanning Near-Field Optical Microscopy", <i>Journal of Microscopy</i> 202(1):2-6 (2001)	
	Lawson, S.C., et al., "The Effect of Transition Metals (TM) on the Aggregation Kinetics of Nitrogen in Diamond" <i>Properties, Growth and Applications of Diamond</i> edited by Nazare et al., Ch. A6.2, pp 172-173 (2001)	
	Raty, J.Y., et al., "Quantum Confinement and Fullerenelike Surface Reconstructions in Nanodiamonds", <i>Physical Review Letters</i> 90(3):037401.1-037401.4 (2003)	
	Zarda, P., "Single Photo Source ", http://scotty.quantum.physik.uni-muenchen.de/exp/sps/sum.html , on-line documents, 11 pages (2001)	
Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.